



Flom Test Labs
EMI, EMC, RF Testing Experts Since 1963

toll-free: (866) 311-3268
fax: (480) 926-3598
<http://www.flomlabs.com>
info@flomlabs.com

Date: February 12, 2007

Applicant: Motorola Mobile Devices
600 North US Hwy 45
Libertyville, IL 60048

Attention of: Richard Altenhofen

Equipment: Mobile Phone
FCC ID: IHDT56GP1
P.O. Number:
FCC Rules: 24 E

Gentlemen:

Enclosed please find your FCC Engineering Test Report .

Should you need any clarification, Please feel free to contact us. Thank you again for this order - it has been a pleasure to be of service.

Sincerely yours,

Hoosamuddin S. Bandukwala, Lab Director

enclosure(s)



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Transmitter Certification Test Report

of

Model: ic902

to

Federal Communications Commission

Rule Part(s) 24 E

Date of report: February 12, 2007

On the Behalf of the Applicant:

Motorola

At the Request of:

Motorola Mobile Devices
600 North US Hwy 45
Libertyville, IL 60048

Attention of:

Richard Altenhofen

Supervised by:

Hoosamuddin S. Bandukwala, Lab Director

The Applicant has been cautioned as to the following:

15.21 Information to the User.

The users manual or instruction manual for an intentional radiator shall caution the user that changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

15.27(a) Special Accessories.

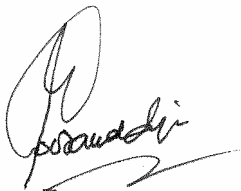
Equipment marketed to a consumer must be capable of complying with the necessary regulations in the configuration in which the equipment is marketed. Where special accessories, such as shielded cables and/or special connectors are required to enable an unintentional or intentional radiator to comply with the emission limits in this part, the equipment must be marketed with, i.e. shipped and sold with, those special accessories. However, in lieu of shipping or packaging the special accessories with the unintentional or intentional radiator, the responsible party may employ other methods of ensuring that the special accessories are provided to the consumer, without additional charge.

Information detailing any alternative method used to supply the special accessories for a grant of equipment authorization or retained in the verification records, as appropriate. The party responsible for the equipment, as detailed in § 2.909 of this chapter, shall ensure that these special accessories are provided with the equipment. The instruction manual for such devices shall include appropriate instructions on the first page of text concerned with the installation of the device that these special accessories must be used with the device. It is the responsibility of the user to use the needed special accessories supplied with the equipment.

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Required information per ISO Guide 17025-2005, paragraph 13.2:

- a) **Test Report**
- b) Laboratory: Flom Test Labs
(FCC: 31040/SIT) 3356 N. San Marcos Place, Suite 107
(Canada: IC 2044) Chandler, AZ 85225
- c) Report Number: d06c0010
- d) Client: Motorola Mobile Devices
600 North US Hwy 45
Libertyville, IL 60048
- e) Identification: Model number: ic902
- EUT Description: Mobile Phone
- f) EUT Condition: Not required unless specified in individual tests.
- g) Report Date: February 12, 2007
- EUT Received:
- h, j, k): As indicated in individual tests.
- i) Sampling method: No sampling procedure used.
- l) Uncertainty: In accordance with MFA internal quality manual.
- m) Supervised by:
- 
- Hoosamuddin S. Bandukwala, Lab Director
- n) Results: The results presented in this report relate only to the item tested.
- o) Reproduction: This report must not be reproduced, except in full, without written permission from this laboratory.

Sub-part

2.1033(c)(14):

Test and Measurement Data

All tests and measurement data shown were performed in accordance with FCC Rules and Regulations, Volume II; Part 2, Sub-part J, Sections 2.947, 2.1033(c), 2.1041, 2.1046, 2.1047, 2.1079, 2.1051, 2.1053, 2.1055, 2.1057 and the following individual Parts:

- 21 - Domestic Public Fixed Radio Services
- 22 - Public Mobile Services
- 22 Subpart H - Cellular Radiotelephone Service
- 22.901(d) - Alternative technologies and auxiliary services
- 23 - International Fixed Public Radiocommunication services
- 24 - Personal Communications Services
- 74 Subpart H - Low Power Auxiliary Stations
- 80 - Stations in the Maritime Services
- 80 Subpart E - General Technical Standards
- 80 Subpart F - Equipment Authorization for Compulsory Ships
- 80 Subpart K - Private Coast Stations and Marine Utility Stations
- 80 Subpart S - Compulsory Radiotelephone Installations for Small Passenger Boats
- 80 Subpart T - Radiotelephone Installation Required for Vessels on the Great Lakes
- 80 Subpart U - Radiotelephone Installations Required by the Bridge-to-Bridge Act
- 80 Subpart V - Emergency Position Indicating Radio Beacons (EPIRB'S)
- 80 Subpart W - Global Maritime Distress and Safety System (GMDSS)
- 80 Subpart X - Voluntary Radio Installations
- 87 - Aviation Services
- 90 - Private Land Mobile Radio Services
- 94 - Private Operational-Fixed Microwave Service
- 95 Subpart A - General Mobile Radio Service (GMRS)
- 95 Subpart C - Radio Control (R/C) Radio Service
- 95 Subpart D - Citizens Band (CB) Radio Service
- 95 Subpart E - Family Radio Service
- 95 Subpart F - Interactive Video and Data Service (IVDS)
- 97 - Amateur Radio Service
- 101 - Fixed Microwave Services

Standard Test Conditions and Engineering Practices

A2LA

“A2LA has accredited Flom Test Labs, Inc. Chandler, AZ for technical competence in the field of Electrical Testing. The accreditation covers the specific tests and types of tests listed on the agreed scope of accreditation. This laboratory meets the requirements of ISO 17025:2005 ‘General Requirements for the Competence of Testing and Calibration Laboratories’ and any additional program requirements in the identified field of testing.”

Please refer to www.a2la.org for current scope of accreditation.

Certificate Number: **2152.01**

List of General Information Required for Certification

In Accordance with FCC Rules and Regulations,
Volume II, Part 2 and to

24 E

Sub-part 2.1033

(c)(1): Name and Address of Applicant:

Motorola Mobile Devices
600 North US Hwy 45
Libertyville, IL 60048

Manufacturer:

Motorola Mobile Devices
600 North US Hwy 45
Libertyville, IL 60048

(c)(2): FCC ID:

IHDT56GP1

Model Number:

ic902

(c)(3): Instruction Manual(s):

Please see attached exhibits

(c)(4): Type of Emission:

(c)(5): Frequency Range, MHz:

1851.250 to 1908.75

(c)(6): Power Rating, Watts:

0.200

_____ Switchable

_____ x _____ Variable

_____ N/A

FCC Grant Note:

(c)(7): Maximum Power Rating, Watts:

1 watt

DUT Results:

Passes _____ x _____

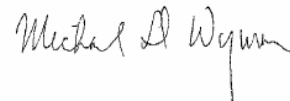
Fails _____

Name of Test: RF Output Power (Conducted) TxR1001

Measurement Results
(Worst case)

CDMA Serial No.: 364AGW025R
 Frequency of Carrier, MHz = 1851.250, 1880.000, 1908.75
 Ambient Temperature = 23°C ± 3°C

Power Setting	Frequency	RF Power, Watts
High	1851.25	23.9 dBm, 0.200 watts
High	1880.00	23.8 dBm, 0.200 watts
High	1908.75	23.9 dBm, 0.200 watts



Performed by:

Michael Wyman

Name of Test: RF Power Output (Radiated) TxR1002
Specification: 47 CFR 2.1046(a), 24.232, TIA/EIA 603-C
Test Equipment: As per attached page

Measurement Procedure (Radiated)

1. The EUT was placed on an open-field site and its radiated field strength at a known distance was measured by means of a spectrum analyzer. Equivalent loading was calculated from the equation $P_t = (E \times R)^2 / 30.0$ watts, where $R = 3m$.
2. Measurement accuracy is ± 1.5 dB.

Measurement Results

g06c0009: 2006-Dec-05 Tue 11:47:00
 State: 2:High Power
 Amps Mode:

Ambient Temperature: 23°C \pm 3°C

Frequency Tuned, MHz	Frequency Emission, MHz	Meter, dBuV/m	CF, dB	EIRP, dBm	EIRP, Watts
1880.000000	1879.800000	91.5	33.27	29.5	0.89

g06c0011: 2006-Dec-06 Wed 08:54:00
 State: 2:High Power
 Amps Mode:

Ambient Temperature: 23°C \pm 3°C

Frequency Tuned, MHz	Frequency Emission, MHz	Meter, dBuV/m	CF, dB	EIRP, dBm	EIRP, Watts
1908.750000	1908.500000	90.67	33.4	28.8	0.76

g06c0013: 2006-Dec-06 Wed 09:24:00
 State: 2:High Power
 Amps Mode:

Ambient Temperature: 23°C \pm 3°C

Frequency Tuned, MHz	Frequency Emission, MHz	Meter, dBuV/m	CF, dB	EIRP, dBm	EIRP, Watts
1851.250000	1850.983333	92.73	33.14	30.6	1.15

Name of Test: Unwanted Emissions (Transmitter Conducted)

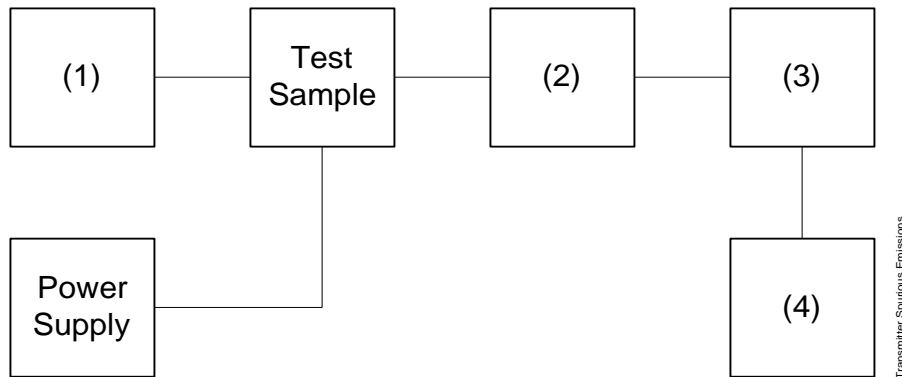
Specification: 47 CFR 2.1051, 24.232

Guide: ANSI/TIA/603C-2004, Paragraph 2.2.13

Measurement Procedure

- A) The emissions were measured for the worst case as follows:
 - 1). within a band of frequencies defined by the carrier frequency plus and minus one channel.
 - 2). from the lowest frequency generated in the EUT and to at least the 10th harmonic of the carrier frequency, or 40 GHz, whichever is lower.
- B) The magnitude of spurious emissions that are attenuated more than 20 dB below the permissible value need not be specified.

Transmitter Test Set-Up: Spurious Emission



Asset	Description	s/n	Cal. Cycle	Last Cal.
(1) Coaxial Attenuator				
X i00231/2	PASTERNAK PE7021-30 (30 dB)	231 or 232	N/A	NCR
(2) Spectrum Analyzer				
X i00048	HP 8566B Spectrum Analyzer	2511A01467	12 mo.	Aug-06

Name of Test: Spurious Emissions (Transmitter Conducted)

Measurement Results
(Worst Case)

Summary:

Frequency of carrier, MHz = 1851.250, 1880.000, 1908.75
 Spectrum Searched, GHz = 0 to 10 x F_c
 All Other Emissions = ≥ 20 dB Below Limit
 Limit(s) = -13dBm

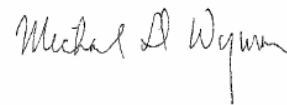
Tabulated Results follow:

Measurement Results

g06c0021: 2006-Dec-06 Wed 16:21:00
 State: 2:High Power

Ambient Temperature: 23°C ± 3°C

Frequency Tuned, MHz	Frequency Emission, MHz	Level, dBm	Level, dBc	Margin, dB
1851.250000	3704.160000	-28	-54.1	-24
1880.000000	3755.660000	-28.3	-54.4	-24.3
1908.750000	3812.820000	-33.3	-59.4	-29.3
1851.250000	5553.190000	-26.8	-52.9	-22.8
1880.000000	5642.720000	-27	-53.1	-23
1908.750000	5722.350000	-32.6	-48.7	-28.6
1851.250000	7402.980000	-21.7	-47.8	-17.7
1880.000000	7524.380000	-21	-47.1	-17
1908.750000	7631.040000	-27.6	-53.7	-23.6
1851.250000	9254.790000	-20.9	-47	-16.9
1880.000000	9404.440000	-20.8	-46.9	-16.8
1908.750000	9545.950000	-27.1	-53.2	-23.1
1851.250000	11103.400000	-21.1	-47.2	-17.1
1880.000000	11281.880000	-19.7	-45.8	-15.7
1908.750000	11452.040000	-26.1	-52.2	-22.1
1851.250000	12963.630000	-15.7	-41.8	-11.7
1880.000000	13157.120000	-16.1	-42.2	-12.1
1908.750000	13362.630000	-22.3	-48.4	-18.3
1851.250000	14806.160000	-16	-42.1	-12
1880.000000	15035.040000	-15.7	-41.8	-11.7
1908.750000	15266.620000	-21.5	-47.6	-17.5



Performed by:

Michael Wyman

Name of Test: Field Strength of Spurious Radiation
 Specification: 47 CFR 2.1053(a), 24.236
 Guide: ANSI/TIA/603C-2004, Paragraph 1.2.12 and Table 16, 47 CFR 22.917

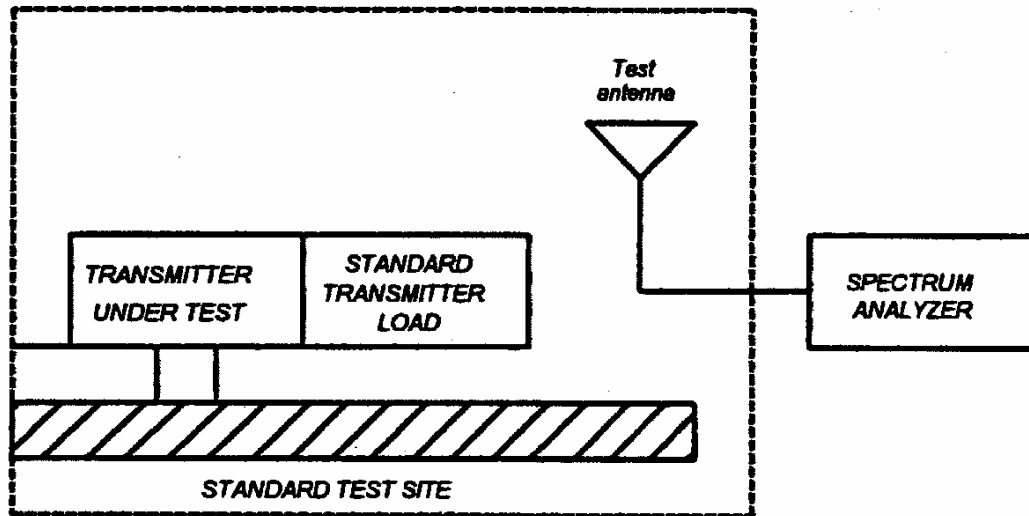
Measurement Procedure

Definition:

Radiated spurious emissions are emissions from the equipment when transmitting into a non-radiating load on a frequency or frequencies which are outside an occupied band sufficient to ensure transmission of information of required quality for the class of communications desired.

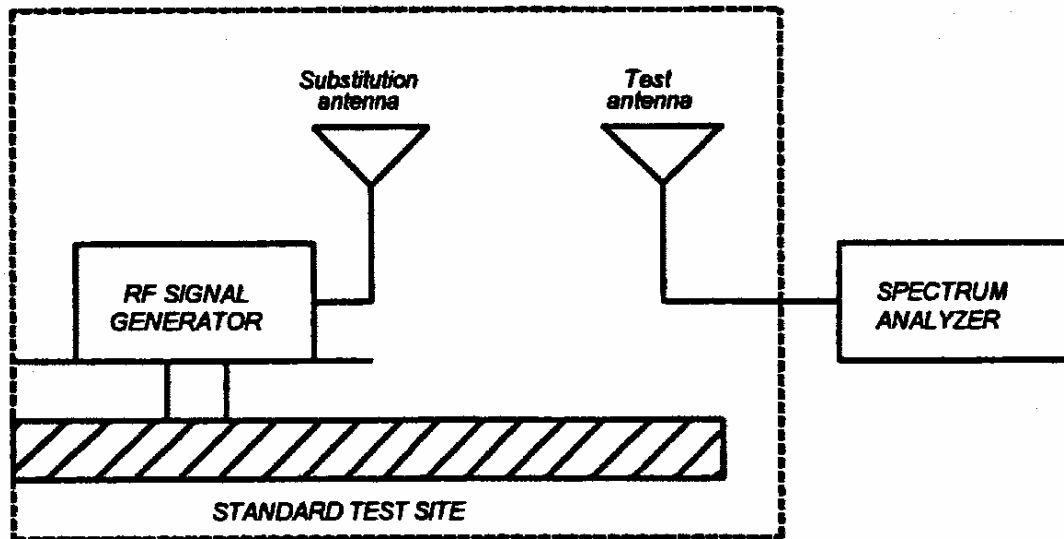
Method of Measurement:

- A) Connect the equipment as illustrated
- B) Adjust the spectrum analyzer for the following settings:
 - 1) Resolution Bandwidth 100 kHz (<1 GHz), 1 MHz (> 1GHz).
 - 2) Video Bandwidth \geq 3 times Resolution Bandwidth, or 300 kHz
 - 3) Sweep Speed \leq 2000 Hz/second
 - 4) Detector Mode = Mean or Average Power
- C) Place the transmitter to be tested on the turntable in the standard test site. The transmitter is transmitting into a non-radiating load that is placed on the turntable. The RF cable to this load should be of minimum length.



Name of Test: Field Strength of Spurious Radiation (Cont.)

- D) For each spurious measurement the test antenna should be adjusted to the correct length for the frequency involved. This length may be determined from a calibration ruler supplied with the equipment. Measurements shall be made from the lowest radio frequency generated in the equipment to the tenth harmonic of the carrier, except for the region close to the carrier equal to \pm the test bandwidth (see section 1.3.4.4).
- E) For each spurious frequency, raise and lower the test antenna from 1 m to 4 m to obtain a maximum reading on the spectrum analyzer with the test antenna at horizontal polarity. Repeat this procedure to obtain the highest possible reading. Record this maximum reading.
- F) Repeat step E) for each spurious frequency with the test antenna polarized vertically.



- G) Reconnect the equipment as illustrated.
- H) Keep the spectrum analyzer adjusted as in step B).
- I) Remove the transmitter and replace it with a substitution antenna (the antenna should be half-wavelength for each frequency involved). The center of the substitution antenna should be approximately at the same location as the center of the transmitter. At lower frequencies, where the substitution antenna is very long, this will be impossible to achieve when the antenna is polarized vertically. In such case the lower end of the antenna should be 0.3 m above the ground.

Name of Test: Field Strength of Spurious Radiation (Cont.)

- J) Feed the substitution antenna at the transmitter end with a signal generator connected to the antenna by means of a non-radiating cable. With the antennas at both ends horizontally polarized and with the signal generator tuned to a particular spurious frequency, raise and lower the test antenna to obtain a maximum reading at the spectrum analyzer. Adjust the level of the signal generator output until the previously recorded maximum reading for this set of conditions is obtained. This should be done carefully repeating the adjustment of the test antenna and generator output.
- K) Repeat step J) with both antennas vertically polarized for each spurious frequency.
- L) Calculate power in dBm into a reference ideal half-wave dipole antenna by reducing the readings obtained in steps J) and K) by the power loss in the cable between the generator and the antenna and further corrected for the gain of the substitution antenna used relative to an ideal half-wave dipole antenna.
- M) The levels recorded in step L) are absolute levels of radiated spurious emissions in dBm. The radiated spurious emissions in dB can be calculated by the following:

Radiated spurious emissions dB =

$$10\log_{10}(\text{TX power in watts}/0.001) - \text{the levels in step I)}$$

NOTE: It is permissible that other antennas provided can be referenced to a dipole.

Test Equipment

Asset	Description	s/n	Cycle	Last Cal
Transducer				
X i00089	Apriel 2001 200MHz-1GHz	001500	24 mo.	Oct-05
X i00103	EMCO 3115 1GHz-18GHz	9208-3925	12 mo.	Sep-06
Amplifier				
X i00028	HP 8449A	2749A00121	12 mo.	Jun-06
Spectrum Analyzer				
X i00029	HP 8563E	3213A00104	12 mo.	Jan-06
X i00033	HP 85462A	3625A00357	12 mo.	Nov-06
Substitution Generator				
X i00067	HP 8920A Communication TS	3345U01242	12 mo.	Jun-06

Name of Test: Field Strength of Spurious Radiation

Measurement Results

g06c0010: 2006-Dec-05 Tue 14:48:00
 STATE: 2:High Power

Ambient Temperature: 23°C ± 3°C

Frequency Tuned, MHz	Frequency Emission, MHz	EIRP, dBm	Limit, dBm	Margin, dBm
1880.000000	3760.166667	-20.3	-13	-7.3
1880.000000	5640.000000	-29.0	-13	-16.1
1880.000000	7520.300000	-23.9	-13	-10.9
1880.000000	9400.033333	-25.1	-13	-12.1
1880.000000	11280.066667	-23.9	-13	-10.9
1880.000000	13159.933333	-22.6	-13	-9.6
1880.000000	15040.000000	-18.0	-13	-5.0

Name of Test: Field Strength of Spurious Radiation

Measurement Results

g06c0012: 2006-Dec-06 Wed 09:00:00
 STATE: 2:High Power

Ambient Temperature: 23°C ± 3°C

Frequency Tuned, MHz	Frequency Emission, MHz	EIRP, dBm	Limit, dBm	Margin, dBm
1908.750000	3817.766667	-29.6	-13	-16.6
1908.750000	5726.250000	-31.3	-13	-18.3
1908.750000	7635.000000	-27.1	-13	-13.1
1908.750000	9543.483333	-24.7	-13	-11.7
1908.750000	11452.500000	-24.1	-13	-11.1
1908.750000	13361.383333	-18.4	-13	-5.4
1908.750000	15270.266667	-17.6	-13	-4.6

Name of Test: Field Strength of Spurious Radiation

Measurement Results

g06c0014: 2006-Dec-06 Wed 09:32:00
 STATE: 2:High Power

Ambient Temperature: 23°C ± 3°C

Frequency Tuned, MHz	Frequency Emission, MHz	EIRP, dBm	Limit, dBm	Margin, dBm
1851.250000	3701.900000	-31.0	-13	-18.0
1851.250000	5553.150000	-30.1	-13	-17.1
1851.250000	7405.533333	-24.8	-13	-11.8
1851.250000	9256.383333	-24.7	-13	-11.7
1851.250000	11107.500000	-24.9	-13	-11.9
1851.250000	12958.750000	-23.1	-13	-10.1
1851.250000	14810.000000	-15.8	-13	-2.8

Name of Test: (Occupied Bandwidth)

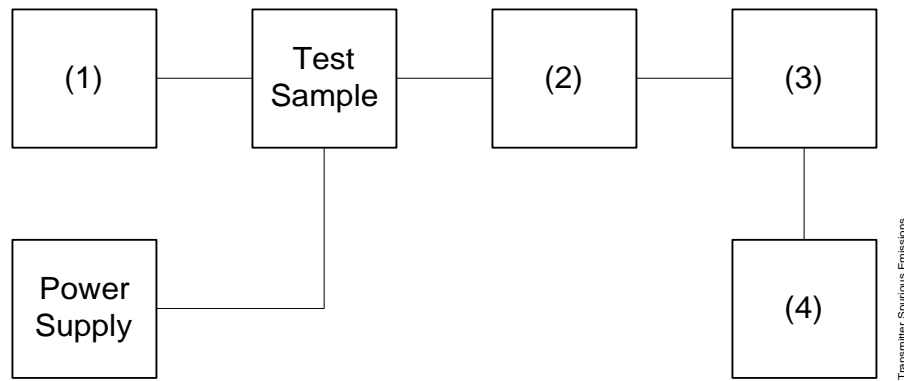
Specification: 47 CFR 2.1049(c)(1), 24.238

Guide: ANSI/TIA/603C-2004, Paragraph 2.2.11

Measurement Procedure

- A) The EUT and test equipment were set up as shown below
- B) For EUTs supporting audio modulation, the audio signal generator was adjusted to the frequency of maximum response and with output level set for $\pm 2.5/\pm 1.25$ kHz deviation (or 50% modulation). With level constant, the signal level was increased 16 dB.
- C) For EUTs supporting digital modulation, the digital modulation mode was operated to its maximum extent.
- D) The Occupied Bandwidth was measured with the Spectrum Analyzer controls set as shown on the test results.

Transmitter Test Set-Up: Occupied Bandwidth



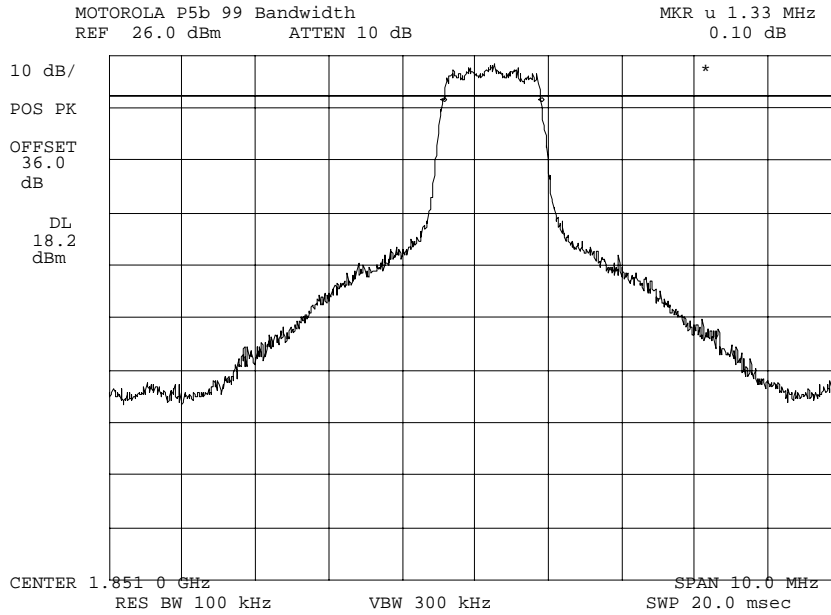
Asset	Description	s/n	Cycle	Last Cal
(1) Audio Oscillator/Generator				
X i00324	HP 8903B Modulation Meter	3011A09079	12 mo.	Oct-06
(2) Coaxial Attenuator				
X i00231/2	PASTERNAK PE7021-30 (30 dB)	231 or 232	N/A	NCR
(3) Interface				
X i00021	HP 8954A Transceiver Interface	2146A00159	N/A	NCR
(4) Spectrum Analyzer				
X i00048	HP 8566B Spectrum Analyzer	2511A01467	12 mo.	Aug-06

Name of Test: Occupied Bandwidth

Measurement Results

CDMA Serial No.: 364AGW025R
g06c0016: 2006-Dec-06 Wed 16:08:00
State: 2: High Power

Ambient Temperature: 23°C ± 3°C



Power:
Modulation:

HIGH 24.70 dBm
CDMA
LO CHANNEL

Michael D Wyman

Performed by:

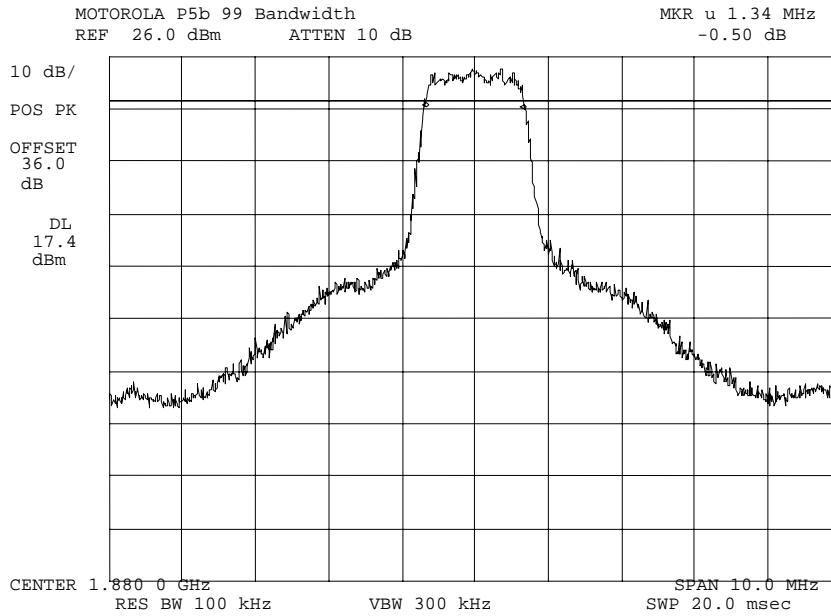
Michael Wyman

Name of Test: Occupied Bandwidth

Measurement Results

CDMA Serial No.:364AGW025R
g06c0017: 2006-Dec-06 Wed 16:09:00
State: 2:High Power

Ambient Temperature: 23°C ± 3°C



Power:
Modulation:

HIGH
CDMA
MID CHANNEL

Michael D Wyman

Performed by:

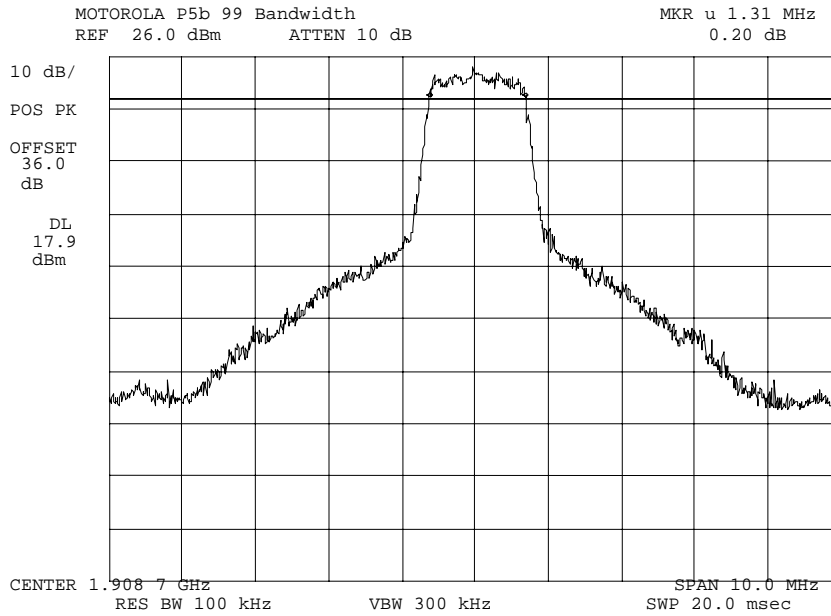
Michael Wyman

Name of Test: Occupied Bandwidth

Measurement Results

CDMA Serial No.:364AGW025R
g06c0020: 2006-Dec-06 Wed 16:11:00
State: 2:High Power

Ambient Temperature: 23°C ± 3°C



Power: HIGH
Modulation: CDMA HI CHANNEL

Michael D Wyman

Performed by:

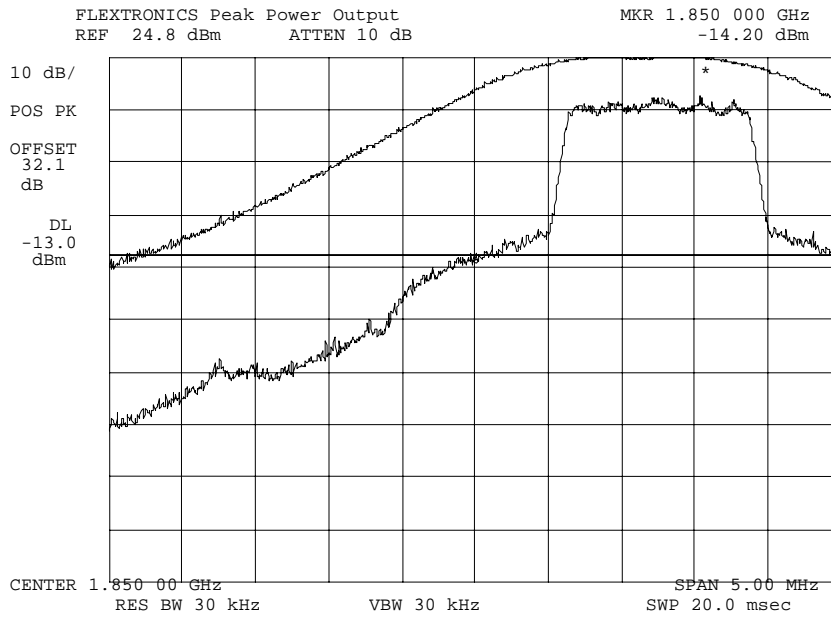
Michael Wyman

Name of Test: Emission Masks (Occupied Bandwidth)

Measurement Results

g0720051: 2007-Feb-09 Fri 11:04:00
State: 1:Low Power

Ambient Temperature: 23°C ± 3°C



Power:
Modulation:

HIGH LOWER BAND EDGE
CDMA
24.238

Michael D Wyman

Performed by:

Michael Wyman

Name of Test: Frequency Stability (Temperature Variation)

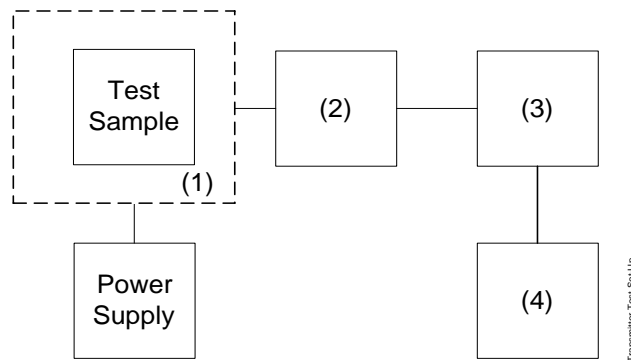
Specification: 47 CFR 2.1055(a)(1), 24.235

Guide: ANSI/TIA/603C-2004, Paragraph 2.2.2

Measurement Procedure

- A) The EUT and test equipment were set up as shown on the following page.
- B) With all power removed, the temperature was decreased to -30°C and permitted to stabilize for three hours. Power was applied and the maximum change in frequency was noted within one minute.
- C) With power OFF, the temperature was raised in 10°C steps. The sample was permitted to stabilize at each step for at least one-half hour. Power was applied and the maximum frequency change was noted within one minute.
- D) The temperature tests were performed for the worst case.

Transmitter Test Set-Up: Temperature Variation



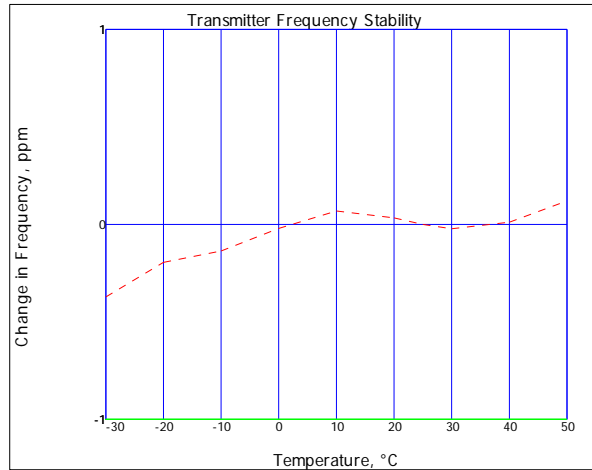
Asset	Description	s/n	Cycle	Last Cal
(1) Temperature, Humidity, Vibration				
X i00027	Tenney Temp. Chamber	9083-765-234	12 mo.	Sep-06
(2) Coaxial Attenuator				
X i00231/2	PASTERNAK PE7021-30 (30 dB)	231 or 232	N/A	NCR
(3) RF Power				
X i00067	HP 8920A Communications TS	3345U01242	12 mo.	Jun-06
(4) Frequency Counter				
X i00067	HP 8920A Communications TS	3345U01242	12 mo.	Jun-06

Name of Test: Frequency Stability (Temperature Variation)

Measurement Results

g06b0122: 2006-Nov-27 Mon 07:18:18
State: 0:General

Ambient Temperature: 23°C ± 3°C



Temp C	Frequency, MHz	Change in Freq, Hz	Change in Freq, PPM
-30	1879.998680	-698.0	-0.4
-20	1879.999013	-365.0	-0.2
-10	1879.999122	-256.0	-0.1
0	1879.999340	-38.0	0.0
10	1879.999507	129.0	-0.1
20	1879.999441	63.0	0.0
25	1879.999378	0.0	0.0
30	1879.999337	-41.0	0.0
40	1879.999399	21.0	0.0
50	1879.999604	226.0	0.1

Performed by:

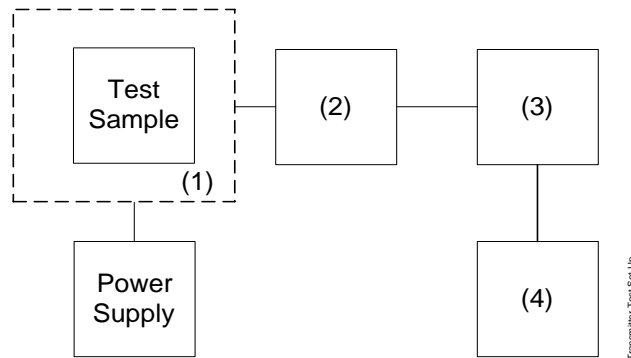
Michael Wyman

Name of Test: Frequency Stability (Voltage Variation)
Specification: 47 CFR 2.1055(d)(1)
Guide: ANSI/TIA/EIA-603-1992, Paragraph 2.2.2

Measurement Procedure

- A) The EUT was placed in a temperature chamber (if required) at 25±5°C and connected as shown below.
- B) The power supply voltage to the EUT was varied from 85% to 115% of the nominal value measured at the input to the EUT.
- C) The variation in frequency was measured for the worst case.

Transmitter Test Set-Up: Voltage Variation



Asset	Description	s/n	Cycle	Last Cal
(1) Temperature, Humidity, Vibration				
i00027	Tenney Temp. Chamber	9083-765-234	N/A	NCR
(2) Coaxial Attenuator				
X i00231/2	PASTERNAK PE7021-30 (30 dB)	231 or 232	N/A	NCR
i00122/3	NARDA 766 (10 dB)	7802 or 7802A	N/A	NCR
(3) RF Power				
X i00321	HP 8901A Power Mode	2239A02170	12 mo.	Sep-06
(4) Frequency Counter				
X i00321	HP 8901A Frequency Mode	2239A02170	12 mo.	Sep-06

Results: Frequency Stability (Voltage Variation)

State: Ambient Temperature: 23°C ± 3°C

% of STV	Voltage	Frequency, MHz	Change, Hz	Change, ppm
3.55		190875007	10	10
3.70		190875008	0	0
4.20		190875009	10	10



Performed by:

Michael Wyman

Manufacturer declaration Statement:

EMC - Co location and Co - Transmission

"Emissions resulting from intermodulation products possible due to the simultaneous operation of the MOTotalk and Bluetooth transmitters were investigated. All were compliant with Part 15 emissions requirements, including those of the restricted bands."

[END OF REPORT]

**Testimonial
and
Statement of Certification**

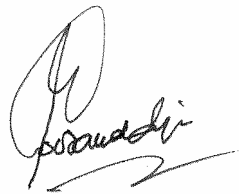
This is to Certify:

1. **That** the application was prepared either by, or under the direct supervision of, the undersigned.

2. **That** the technical data supplied with the application was taken under my direction and supervision.

3. **That** the data was obtained on representative units, randomly selected.

4. **That,** to the best of my knowledge and belief, the facts set forth in the application and accompanying technical data are true and correct.



Certifying Engineer:

Hoosamuddin S. Bandukwala, Lab Director